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How to Attract "Wild" Ducks -and Fish



Wild Celery Beds Shown Above
Attract Diving Ducks and Fish

Plant
This
Spring
●
Attract
Ducks
Next Fall



Terrell's
Seeds
Grow!
●
39
Years
Success

The Things You Can Do To

maintain more ducks and fish in your favorite waters, deal largely with providing **FOOD, SHELTER AND PROTECTION**. Food, shelter and protection are closely connected with the matter of maintaining suitable **PLANT** life. Animal life is indeed dependent on plant life!

FOOD is Most Important

Plant products, seeds, tubers, roots, etc. make up the bulk of a duck's menu and part of what a fish eats. Other things that they eat, such as insects, snails, crayfish, daphnia and other small forms of animal life are all dependent for their existence on plants. As an example, Wild Celery roots are not only eagerly eaten by the Canvasbacks, Blue-bill and Redhead ducks, but the plants also support great numbers of snails that fish as well as ducks love.

SHELTER Needed Too!

Ducks, especially the marsh-loving kinds such as Mallard, Pintail and Teal stop and stay where they can find hiding places and protection from wind and cold, among the thick marsh grasses. The grasses that afford fine food in addition to shelter, as does the Giant Wild Rice are doubly attractive to ducks. Young fish find excellent shelter and places of escape from their enemies, as well as food among the beds of water plants like Wild Celery, Sago Pond Plant, Coontail, or Water Lilies. A baby fish is safe from heron, kingfisher or gull beneath the big floating pads of the Water Lilies.

PLANT This Spring

Some of the best food and cover producing plants for ducks and fish are described on the next page. Plant food and shelter this spring if you want more ducks and plenty of big fish!

TERRELL'S Planting Service Insures Better Results

Since 1896 we have been making water areas attract and produce more waterfowl and fish. We'll be glad to help you develop attractive cover and feeding grounds on your own property. Send sample of water, description, map of waters showing inlets, outlets, marsh, depth of water, type of bottom, and we'll gladly suggest the best duck food and cover plants for your place.

Clubs, associations and owners of large properties will often find it to their advantage to have us personally examine their water areas and recommend plantings best suited to conditions found, and give suggestive planting plans, thus insuring best possible results.

Plantings carried out if desired.

Yours for success,

Terrell's
AQUATIC NURSERIES



Attract More Ducks And Fish With Terrell's Sure-Growing GIANT WILD RICE

Where Wild Rice grows you are sure to find wild ducks swarming in to feed on this large nutritious grain. It is the best known and most important food for Mallards, Black Ducks, Widgeons, Teal, Pintails, Canada Geese and other wildfowl. Wild Rice beds are used by the ducks in the spring as a place to hide their nests and rear their ducklings.

U. S. Biological Survey Bulletin No. 21 reports Wild Rice to be eaten by Quail and says, it also furnishes desirable cover for them. Muskellonge, Black Bass and other fish hang around Wild Rice beds. It shelters and saves thousands of baby fish. Wild rice reseeds itself from year to year making a permanent feeding ground.

Where To Plant

Terrell's Giant Wild Rice is easy to grow. There are many places throughout the northern and southeastern U. S. and Canada where it does not now grow, where conditions are favorable for growing it. Briefly stated the conditions required for successful growth of Wild Rice are fresh water streams, lakes or ponds having an outlet, fairly rich bottom, and water from 6 inches to 3 feet in depth. Sunny, sheltered bays or coves where planting will not get the full current or direct wash of waves, suit it best. Wild Rice thrives in either slightly sour (acid) water as is commonly found in swamps, or in moderately alkaline waters containing lime or marl. It grows best north of a line drawn from Savannah, Georgia, to San Francisco, California, although occasionally grown further south.

Plant This Spring

Giant Wild Rice seed can be planted with excellent results during the spring -- Will provide food and cover for wild ducks next fall.

HOW MUCH TO PLANT

2 bushels per acre of Terrell's sure-growing Giant Wild Rice seed should be planted to insure a good stand.



Terrell in One of His Giant Wild Rice Fields
How Terrell Produces
Better Wild Rice Seed

1. Seed selected for large size grain. It is more than twice the size of other Wild Rice seed. One acre of Terrell's Giant Wild Rice No. 1 will produce as much food as two acres of the kind having the ordinary smaller grain (No. 2).

2. Terrell's supply only sure-growing Wild Rice seed. Unripe, dried out or heated Wild Rice seed grows poorly or not at all. It is natural for the seed to drop off into the water when ripe. Drying kills the seed. Terrell's sure-growing Wild Rice seed is well-ripened. Heating and drying out are prevented by keeping the seed packed in our special damp cold storage.

3. Great care is taken to insure the seed reaching its destination in highly germinable condition. Ice is placed in the center of each package of seed, if the shipment is to encounter warm weather. Shipments are packed damp and cool in special ventilated packages, surrounded by a particular kind of moss that will retain moisture, preserve the ice and keep the shipment cool for many days. Terrell's Giant Wild Rice seed has been successfully shipped to and grown in distant lands, such as New Zealand, Sweden and Ireland. This shows that with Terrell's special methods of packing, these perishable seeds can be successfully shipped almost anywhere.

No. 1

**Terrell's Giant Wild Rice Requires
 Less Seed Makes More Feed**

No. 2.

Ordinary Wild Rice Seed

Spring Prices

Bushel \$12
 5 bu. or more
 \$11 per bu.
 Peck \$3.50
 Quart 50c
 or 62c prepaid
 30 lbs. per bu.

Sure-Growing WILD CELERY

For Diving Ducks and Fish



Canvasbacks, Bluebills and Redheads feed on Wild Celery (*Vallisneria spiralis*) in preference to other foods. Other ducks which feed on Wild Celery include Wood Duck, Widgeon, Pintail, Ruddy, Bufflehead, Whistler, Teal, Scoters, Mallard and Black Duck. Geese, Swans and Coots also eat it.

Prominent fish culturists recognize Wild Celery as one of the best plants for "fish pastures." It is an ideal fish food and cover producer. Clears and oxygenates the water.

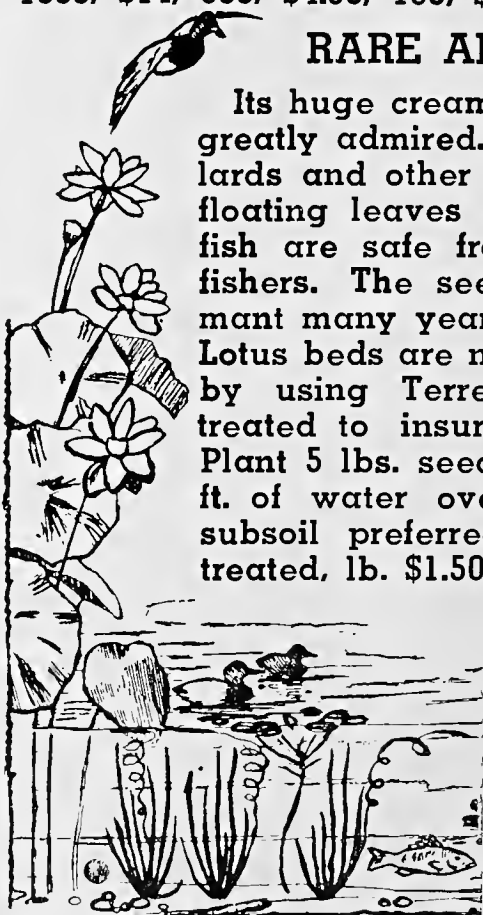
Wild Celery grows submerged and thrives in fairly clear, fresh or slightly brackish waters, not acid, in sheltered bays, 2 to 8 ft. deep. Water should contain some lime indicated by presence of shells. Thrives in practically all parts of United States and Canada. Easily grown from Terrell's selected winter-buds or plants, planted from March 20th to July 20th. Use 1,200 per acre, 1000, \$14; 300, \$4.50; 100, \$1.75.

RARE AMERICAN LOTUS

Its huge creamy, yellow flowers are greatly admired. Seed eaten by Mallards and other ducks. Its big, round floating leaves make shelter where fish are safe from herons and kingfishers. The seed naturally lies dormant many years before germinating. Lotus beds are now easily established by using Terrell's seed, chemically treated to insure quick germination. Plant 5 lbs. seed per acre in 1½ to 3 ft. of water over rich bottom. Clay subsoil preferred. Seed germination treated, lb. \$1.50; \$1.62 postpaid.

WATER CRESS

Plant in shallow springs remaining unfrozen in winter. Makes all-year duck and fish food. Plants: 1000, \$25; 100, \$3.50; Seed 2 oz. \$1; pound \$7.50.



Am Lotus

Wild Celery

SAGO POND PLANT

Best Duck and Fish Food for Alkali, Slightly Salt, Marl or Hard Water

Authorities proclaim Sago Pond Plant (*Potamogeton pectinatus*) the best all around wild duck food, also the best food and shelter plants for fish. It is eaten by swans and over twenty kinds of ducks. Early in the fall it has clusters of seeds, the size of wheat, which are greedily eaten by blue-winged teal, mallards, and other early ducks. Later in the season, it produces great quantities of tubers almost equal to Wild Celery as a Canvasback food.

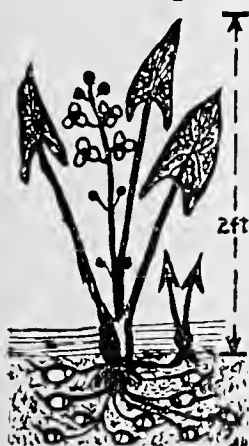
Sago Pond Plant thrives throughout the entire U. S. and Canada. It should be planted only in hard waters containing some lime. Plant the tubers from February 1st to July 15th, in 1½ to 8 ft. of water, in sheltered bays on any kind of bottom but stony. Will spread to deeper and more exposed situations, grows submerged. Use 1200 tubers per acre. Terrell sells only selected tubers - each capable of producing vigorous growth
1000, \$20.00; 100, \$2.50; 25, \$1.00.

COONTAIL for Ducks and Fish

A bed of Coontail produces a splendid lot of food for ducks and fish. Floats submerged in the water, and grows over almost any kind of bottom soil. Very hardy and easy to grow. Plant now, using 12 bushels per acre. Plants, bushel, \$4; peck, \$1.50; 10 bu. \$3 bu.

WAPATO Duck Potato

"Duck Potato" and "Muskrat Potato" are names often given this important food plant, (*Sagittaria latifolia*), that indicate its importance as a food. It produces numerous tubers, seed and



tender white runners that are eaten by geese, swan and practically all kinds of wild ducks, as well as muskrats. Has handsome arrow-shaped leaves -- stalks of white flowers with yellow center -- widely planted as ornamental. Easily and quickly grown from Terrell's selected tubers. Thrives in practically all parts of U. S. and Canada,

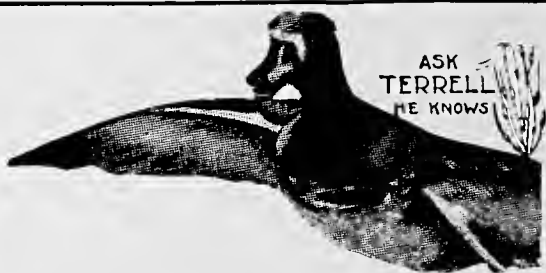
in marshy places, mud flats, and in water up to 1½ ft. deep. Plant 1200 tubers per acre.

1000, \$14; 300, \$4.50; 100, \$1.75; 25, \$1.

BUR REED

Excellent food and cover plant for wild ducks, especially attractive to marsh ducks.

Grows in marshy, muddy spots or in water preferably not over six or eight inches deep. Plant 1000 roots per acre in spring. Strong, selected roots with good growing points, 1000, \$30; 300, \$11; 100, \$4.



WILD DUCK MILLET

For Mud Flats -- Lowlands -- Lands That Can Be Drained and Flooded

Wild Duck Millet (*Echinochloa crus-galli*) is an important food for mallards, pintails and teal. It grows over most of the U. S. This plant made up to 50 to 75% of the food of mallards from La. examined by U. S. Biological Survey. It is also an important food for ducks in Ark., Wis., Ala., Ill., S. D., Mass., S. C., Mo. and Calif. It grows 2 to 4 feet high, making considerable cover. It is also a food for geese, quail, doves and upland game birds and song birds as well as wild ducks.

Plant on mud flats, lowlands, areas left bare during summer when water goes down, or land along water's edge. Suited to old rice fields in the South. Sow from April 1st to July 10 in the North and up to August 1st in South and a crop will be secured same season. 100 pounds plants 3 acres. 100 lbs., \$14.00; 25 lbs., \$3.50. Smaller lots 15c lb. or 26c lb. postpaid.

FANCY PARCHED WILD RICE

For Table Use

Wild Rice prepared for table use has a delicious nutty flavor and is excellent to serve with wildfowl, as something different. It is being more widely used in the home as people are beginning to realize its great food value. Wild Rice contains more vitamins than any other cereal.

It may also be used as a vegetable, dessert or pudding. Terrell's Wild Rice is carefully selected for flavor and is air-cleaned. A pound makes 15 generous servings. Favorite recipes sent with every order. PRICE DELIVERED. 75c per lb.; 5 lbs. or more 65c per lb.

WHITE WATER LILY



Produces attractive white sweet-scented blossoms. Provides splendid natural food and cover for fish. Plant on mud bottom in waters 1 to 4 ft. deep, using 750 tubers per acre. Tubers 100, \$7.50; 12, \$1. Extra large tubers with well-developed growing

points that will produce quick results. 100, \$15; 12, \$2.50.

YELLOW WATER LILY

An important food of wild ducks and muskrats. Also eaten by moose and deer. Excellent natural food and cover for fish. Produces attractive yellow blossoms. Plant on mud bottom in waters 1 to 4 ft. deep, using 750 tubers per acre. Large, strong tubers with good growing points. 100, \$18.00; 12, \$3.00; 3 for \$1.00.

DUCKS MEAT

A splendid duck and fish food for quiet sheltered waters, pot holes, and sloughs. Multiplies rapidly, producing an abundance of food attractive to many varieties of wild ducks, especially good food for ducklings. Floating Duck Meat floats on the surface of the water. Submerged Ducks Meat floats submerged just beneath the surface of the water. Will grow over any kind of bottom. Plant 12 bushels per acre, either variety during spring or summer. \$4 per bu.; 5 bu. or more \$3 bu.; peck \$1.50.

PICKEREL PLANT

Provides food for ducks, and is an attractive ornamental plant producing spikes of purple flowers. Grows on fairly rich soil, in 1 to 3 ft. of water. Plant 600 roots per acre. Strong, thrifty roots 100, \$12.50; 12, \$1.75.

DEEP WATER DUCK POTATO

A splendid attraction for Bluebills and other diving ducks, that love the tender tubers this plant produces. Plant in ponds, lakes or bays along the river, where water is 1 to 3 ft. deep. Sure-growing tubers with well developed growing points, 1000, \$18; 300, \$6.25; 100, \$2.25.

FAVORITE MUSKRAT FOODS



The Muskrat
A valuable
Furbearer

The number of muskrats you can raise on your marsh or waters depends on the food supply. Muskrats will increase in numbers as far as the food supply permits, but no farther. Provide an abundance of muskrat pasturage

and you may find fences, to retain them, unnecessary -- in fact, muskrats from other marshes will be attracted by the food on your marsh.

The following plants are the mainstay of the muskrat's food supply the year around. They are easily grown. Plant feeding beds here and there. When once started they will reseed themselves and spread out. Foods listed in the order of importance.

FOR SHALLOW WATER UP TO 1 FT. DEEP

§*‡ Sweet Flag, §*‡ Cattail, *Wapato (Muskrat Potato). *§Bur Reed.

FOR WATERS 6 IN. TO 3 FT. DEEP.

§*‡Wild Rice.

FOR WATER 2 TO 5 FT. DEEP

‡*Water Lilies. *§Great Bulrush. §Muskgrass.

NOTE: *For Alkaline (hard) Waters. ‡For Slightly Acid (soft) Waters. §Used by muskrats in building houses.

The additional amount of fur that can be taken will pay many times over for the planting materials needed.

Prices: Sweet Flag, Cattail, Bulrush roots, 1000, \$30; 300, \$11; 100, \$4.00. See prices on other materials on inside pages where further information about them is given.

TERRELL'S TARTARY BUCKWHEAT

Attracts Ducks, Pheasants, Quail and
Other Game Birds.

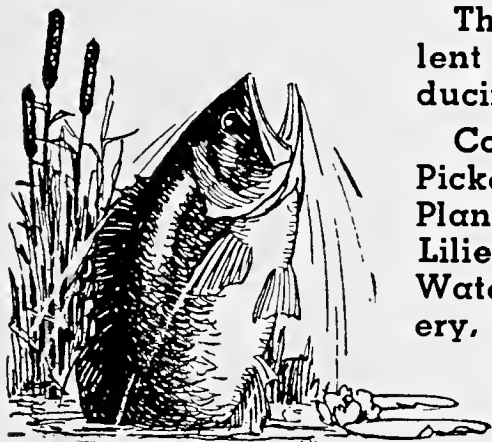
Will thrive on poor soil where other foods will not grow, and holds its seed through winter, providing food at a time when the birds need it most. Plant 50 lbs. of Terrell's Tested Tartary Buckwheat seed per acre, this spring on almost any drained soil and by next fall you'll have food to attract and hold the game birds. Price \$9 per 100 lbs.; 50 lbs. for \$5.

GET MORE AND BIGGER FISH

Provide Food and Cover

"We may stock our fish waters ever so liberally, but the fish will not thrive without an abundance of suitable food." -- Editorial from "American Field."

Certain plants provide plenty of food, also cover where small fish can escape from their enemies. They insure more young fish reaching maturity and increase fish production. Fish feed on parts of the plants and on the countless numbers of small insect and animal life which these plants support.



The following are excellent food and cover producing plants for fish:

Coontail, Ducks Meat, Pickerel Plant, Sago Pond Plant, Water Cress, Water Lilies, Water Milfoil, Water Shield, Wild Celery, Wild Rice.

**WATER MILFOIL,
WATERWEED,
DUCKS MEAT,**

\$4 per bu.; 5 bu., \$15.

WATER SHIELD - Food for both ducks and fish. 100, \$20; 12, \$3.

Other plants mentioned above are described, and prices given, on inside pages.

SHIPMENTS: Express shipments are most generally satisfactory for our planting material. When so shipped it reaches destination quickly, in best condition for planting. Large lots can sometimes be sent by refrigerator freight or truck.

GUARANTEE. If any of our planting materials fail to produce what the purchaser considers a satisfactory growth after giving planting sufficient time to establish itself, we **GUARANTEE** to replace it at half price, or send an equal value at half price of other planting material selected from our current price list.

REFERENCES: Oshkosh National Bank, Oshkosh, Wis.; First National Bank, Oshkosh, Wis.; Dun & Bradstreet's Mercantile Reference. Ask your state game officials, or editor of any outdoor magazine about us.

Want More
DUCKS?

GAME?

FISH?

The Inside
Pages Tell
You How.



TERRELL'S

AQUATIC NURSERIES
Oshkosh, Wis., U. S. A.

Beds of Giant Wild Rice shown at left
make both food and cover for marsh ducks.

POSTMASTER: If forwarded to new
address notify us on Form 3547. If not
deliverable, return to us. Postage
guaranteed in either case.

TERRELL'S, Oshkosh, Wis., U. S. A.

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U. S. DEPARTMENT OF AGRICULTURE,

WASHINGTON, D. C.

BUREAU OF PLANT INDUSTRY
Fruit and Vegetable Crops and Diseases